Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/22/2018 09:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124476	-1	2.24	124460	2.21
Blue	F	SSC	125000	123855	-1	3.96	124549	3.95
Blue	E	FITC	15492	15122	-3	3.80	352	20.82
Blue	D	PE	28736	28141	-3	3.17	621	15.76
Blue	B	PerCP-Cy5-5	41413	40818	-2	4.69	1118	22.89
Blue	A	PE-Cy7	31321	31218	-1	7.10	562	47.05
Red	C	APC	41673	41053	-2	3.00	1584	13.12
Red	A	APC-Cy7	29962	29502	-2	2.92	736	14.12
Violet	B	V450	8318	8006	-4	4.62	442	14.10
Violet	A	V500	34199	33582	-2	4.36	808	10.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20386	4.79	605	-8	N/A	N/A	Pass
Blue	F	SSC	56032	3.46	572	4	N/A	N/A	Pass
Blue	E	FITC	57	74.13	556	-5	0.0182	208	Pass
Blue	D	PE	124	55.37	555	-5	0.1464	303	Pass
Blue	B	PerCP-Cy5-5	207	54.79	659	-8	0.0074	31	Pass
Blue	A	PE-Cy7	112	114.65	715	-7	0.0093	22	Pass
Red	C	APC	363	28.57	603	2	0.0205	189	Pass
Red	A	APC-Cy7	182	31.42	578	2	0.0045	902	Pass
Violet	B	V450	65	65.62	474	-3	0.0446	1949	Pass
Violet	A	V500	115	34.64	492	-2	0.0207	620	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.42	-32.20	1.08
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.50
Red	17.16	13.60 - 20.40	N/A	N/A	29.68	29.95	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10589

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments